

ABSTRACT OF THE INVENTION

The present invention provides a neoplastic cell transduced by a TRICOM viral vector construct and a genetically altered neoplastic cellular preparation able to overexpress molecule B7.1, intracellular adhesion molecule-1 (ICAM-1) and leukocyte function-associated antigen-3 (LFA-3) as discrete products and costimulatory molecules. The TRICOM transduced neoplastic cells are useful in-vivo as a prophylactic vaccination to prevent the future generation of a tumor within a living mammalian subject; and also as a therapeutic anti-tumor agent effective against a pre-existing tumor then located at one or more anatomic sites within the body of a living mammalian patient.